



# 1

**SHEET 1 OF 2**

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. GTSYS.003C1	APPLICATION NO. 09/919,758
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		JAN 25 2002 PATENT & TRADEMARK OFFICE RECEIVED JAN 31 2002 TECH CENTER 1600 1637	
(USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Liang, et al.	GROUP Unknown
		FILING DATE July 31, 2001	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
TS	1. ✓ 4,897,355	01/30/1990	Eppstein et al.			
	2. ✓ 5,459,127	10/17/1995	Felgner et al.			
	3. ✓ 5,561,053	10/01/1996	Crowley			
	4. ✓ 5,621,080	04/15/1997	Lin			
TS	5. ✓ 6,165,720	12/26/2000	Felgner et al.			

## FOREIGN PATENT DOCUMENTS

**EXAMINER  
INITIAL**

**OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)**

6. Almarsson, et al., "Peptide nucleic acid (PNA) conformation and polymorphism in PNA-DNA and PNA-RNA hybrids", *Proc. Natl. Acad. Sci. USA*, Vol. 90, pp. 9542-9546, (1993)

7. Béntin, et al., "Enhanced Peptide Nucleic Acid Binding to Supercoiled DNA: Possible Implications for DNA "Breathing" Dynamics", *Biochemistry*, 35, pp. 8863-8869 (1996)

8. Clark, James M., "Novel non-templated nucleotide addition reactions catalyzed by prokaryotic and eucaryotic DNA polymerases", *Nucleic Acids Research*, Vol. 16, No. 20, pp. 9677-9686, (1988)

9. Demidov, et al., "Stability of peptide nucleic acids in human serum and cellular extracts", *Biochemical Pharmacology*, Vol. 48, No. 6, pp. 1310-1313, (1994)

**EXAMINER**

Teresa Strelcik

**DATE CONSIDERED**

5/6/03

**\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.**

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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
T.S	10. Demidov, et al. "Kinetics and mechanism of polyamide ("peptide") nucleic acid binding to duplex DNA", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 92, pp. 2637-2641, (March 1995)
	11. Egholm, et al., "Recognition of Guanine and Adenine in DNA by Cytosine and Thymine Containing Peptide Nucleic Acids (PNA)" <u>J. American Chemical Society</u> , 114, pp. 9677-9678, (1992)
	12. Egholm, et al., "PNA hybridizes to complementary oligonucleotides obeying the Watson-Crick hydrogen-bonding rules" <u>Nature</u> , Vol. 365: 566-568, (1993)
	13. Egholm, et al., "Efficient pH-independent sequence-specific DNA binding by pseudoisocytosine-containing bis-PNA" <u>Nucleic Acids Research</u> , Vol. 23, No. 2, pp. 217-222 (1995)
	14. Fakhfakh, et al., "Cell-free cloning and biolistic inoculation of an infectious cDNA of potato virus Y" <u>Journal of General Virology</u> , 77, pp. 519-523 (1996)
	15. Felgner, et al., "Nomenclature for Synthetic Gene Delivery Systems", <u>Human Gene Therapy</u> , 8, pp. 511-512, (1997)
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	20. Nielsen, et al., "Sequence-Selective Recognition of DNA by Strand Displacement with a Thymine-Substituted Polyamide", <u>Science</u> , Vol. 254, pp. 1497-1500, (1991)
T.S	21. Sykes, et al., "Linear expression elements: a rapid, in vivo, method to screen for gene functions", <u>Nature Biotechnology</u> , Vol. 17, pp. 355-359, (1999)

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